

# Karin B Michels

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

133  
papers

6,636  
citations

44  
h-index

80  
g-index

136  
ext. papers

7,623  
ext. citations

6.7  
avg, IF

6.19  
L-index

#	Paper	IF	Citations
133	Epigenetic epidemiology of the developmental origins hypothesis. <i>Annual Review of Nutrition</i> , <b>2007</b> , 27, 363-88	9.9	629
132	Prospective study of fruit and vegetable consumption and incidence of colon and rectal cancers. <i>Journal of the National Cancer Institute</i> , <b>2000</b> , 92, 1740-52	9.7	300
131	Recommendations for the design and analysis of epigenome-wide association studies. <i>Nature Methods</i> , <b>2013</b> , 10, 949-55	21.6	276
130	Type 2 diabetes and subsequent incidence of breast cancer in the NursesTHHealth Study. <i>Diabetes Care</i> , <b>2003</b> , 26, 1752-8	14.6	262
129	Diabetes, metabolic syndrome, and breast cancer: a review of the current evidence. <i>American Journal of Clinical Nutrition</i> , <b>2007</b> , 86, s823-35	7	258
128	Diet and breast cancer: a review of the prospective observational studies. <i>Cancer</i> , <b>2007</b> , 109, 2712-49	6.4	207
127	Can dietary patterns help us detect diet-disease associations?. <i>Nutrition Research Reviews</i> , <b>2005</b> , 18, 241-8	7	177
126	Intrauterine factors and risk of breast cancer: a systematic review and meta-analysis of current evidence. <i>Lancet Oncology</i> , <b>2007</b> , 8, 1088-1100	21.7	170
125	Role of birthweight in the etiology of breast cancer. <i>International Journal of Cancer</i> , <b>2006</b> , 119, 2007-25	7.5	142
124	The Role of the Microbiome in the Developmental Origins of Health and Disease. <i>Pediatrics</i> , <b>2018</b> , 141,	7.4	141
123	Self-reported birthweight and history of having been breastfed among younger women: an assessment of validity. <i>International Journal of Epidemiology</i> , <b>1996</b> , 25, 122-7	7.8	137
122	Genome-wide DNA methylation in neonates exposed to maternal depression, anxiety, or SSRI medication during pregnancy. <i>Epigenetics</i> , <b>2014</b> , 9, 964-72	5.7	133
121	Caloric restriction and incidence of breast cancer. <i>JAMA - Journal of the American Medical Association</i> , <b>2004</b> , 291, 1226-30	27.4	130
120	Longitudinal study on the role of body size in premenopausal breast cancer. <i>Archives of Internal Medicine</i> , <b>2006</b> , 166, 2395-402		122
119	Birthweight, maternal weight trajectories and global DNA methylation of LINE-1 repetitive elements. <i>PLoS ONE</i> , <b>2011</b> , 6, e25254	3.7	119
118	Discovery of methylated circulating DNA biomarkers for comprehensive non-invasive monitoring of treatment response in metastatic colorectal cancer. <i>Gut</i> , <b>2018</b> , 67, 1995-2005	19.2	119
117	Coffee, tea, and caffeine consumption and incidence of colon and rectal cancer. <i>Journal of the National Cancer Institute</i> , <b>2005</b> , 97, 282-92	9.7	116

116	Transgenerational epigenetic inheritance in mammals: how good is the evidence?. <i>FASEB Journal</i> , <b>2016</b> , 30, 2457-65	0.9	114
115	Fruit and vegetable consumption and colorectal adenomas in the NursesTHealth Study. <i>Cancer Research</i> , <b>2006</b> , 66, 3942-53	10.1	112
114	A prospective study of variety of healthy foods and mortality in women. <i>International Journal of Epidemiology</i> , <b>2002</b> , 31, 847-54	7.8	106
113	Body fatness during childhood and adolescence and incidence of breast cancer in premenopausal women: a prospective cohort study. <i>Breast Cancer Research</i> , <b>2005</b> , 7, R314-25	8.3	105
112	The impact of first trimester phthalate and phenol exposure on IGF2/H19 genomic imprinting and birth outcomes. <i>Environmental Research</i> , <b>2014</b> , 133, 396-406	7.9	101
111	Birthweight and body size throughout life in relation to sex hormones and prolactin concentrations in premenopausal women. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2006</b> , 15, 2494-501	4	84
110	Fiber intake and incidence of colorectal cancer among 76,947 women and 47,279 men. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2005</b> , 14, 842-9	4	80
109	Adult recall of adolescent diet: reproducibility and comparison with maternal reporting. <i>American Journal of Epidemiology</i> , <b>2005</b> , 161, 89-97	3.8	79
108	Dietary antioxidant vitamins, retinol, and breast cancer incidence in a cohort of Swedish women. <i>International Journal of Cancer</i> , <b>2001</b> , 91, 563-7	7.5	79
107	Grand-Maternal Lifestyle During Pregnancy and Anthropometric Characteristics in Adolescence and Young Adulthood: An Intergenerational Cohort Study. <i>Current Developments in Nutrition</i> , <b>2020</b> , 4, 976-976	0.4	78
106	Environmental exposures during windows of susceptibility for breast cancer: a framework for prevention research. <i>Breast Cancer Research</i> , <b>2019</b> , 21, 96	8.3	77
105	Epigenetic epidemiology of cancer. <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 455, 70-83	3.4	77
104	Fruit and vegetable consumption in adolescence and early adulthood and risk of breast cancer: population based cohort study. <i>BMJ, The</i> , <b>2016</b> , 353, i2343	5.9	74
103	Coffee, tea, and caffeine consumption and breast cancer incidence in a cohort of Swedish women. <i>Annals of Epidemiology</i> , <b>2002</b> , 12, 21-6	6.4	72
102	Update on unethical use of placebos in randomised trials. <i>Bioethics</i> , <b>2003</b> , 17, 188-204	2	66
101	Measurement of fruit and vegetable consumption with diet questionnaires and implications for analyses and interpretation. <i>American Journal of Epidemiology</i> , <b>2005</b> , 161, 987-94	3.8	66
100	Body size across the life course, mammographic density, and risk of breast cancer. <i>American Journal of Epidemiology</i> , <b>2011</b> , 174, 909-18	3.8	65
99	Oral contraceptive use and mortality after 36 years of follow-up in the NursesTHealth Study: prospective cohort study. <i>BMJ, The</i> , <b>2014</b> , 349, g6356	5.9	58

98	Faster ticking rate of the epigenetic clock is associated with faster pubertal development in girls. <i>Epigenetics</i> , <b>2018</b> , 13, 85-94	5.7	56
97	Epigenome-wide and transcriptome-wide analyses reveal gestational diabetes is associated with alterations in the human leukocyte antigen complex. <i>Clinical Epigenetics</i> , <b>2015</b> , 7, 79	7.7	54
96	HPV vaccine for all. <i>Lancet, The</i> , <b>2009</b> , 374, 268-70	4.0	50
95	A study of the importance of education and cost incentives on individual food choices at the Harvard School of Public Health cafeteria. <i>Journal of the American College of Nutrition</i> , <b>2008</b> , 27, 6-11	3.5	49
94	alpha-fetoprotein levels in maternal serum during pregnancy and maternal breast cancer incidence. <i>Journal of the National Cancer Institute</i> , <b>2000</b> , 92, 1001-5	9.7	49
93	Presenting statistical uncertainty in trends and dose-response relations. <i>American Journal of Epidemiology</i> , <b>1999</b> , 149, 1077-86	3.8	46
92	Preschool diet and adult risk of breast cancer. <i>International Journal of Cancer</i> , <b>2006</b> , 118, 749-54	7.5	45
91	Sleep and survival among women with breast cancer: 30 years of follow-up within the NursesT Health Study. <i>British Journal of Cancer</i> , <b>2017</b> , 116, 1239-1246	8.7	44
90	Prediagnostic Sex Steroid Hormones in Relation to Male Breast Cancer Risk. <i>Journal of Clinical Oncology</i> , <b>2015</b> , 33, 2041-50	2.2	44
89	Hyperparathyroidism and subsequent incidence of breast cancer. <i>International Journal of Cancer</i> , <b>2004</b> , 110, 449-51	7.5	43
88	Impact of folic acid intake during pregnancy on genomic imprinting of and 1-carbon metabolism. <i>FASEB Journal</i> , <b>2017</b> , 31, 5149-5158	0.9	42
87	Self-administered semiquantitative food frequency questionnaires: patterns, predictors, and interpretation of omitted items. <i>Epidemiology</i> , <b>2009</b> , 20, 295-301	3.1	42
86	The effect of correlated measurement error in multivariate models of diet. <i>American Journal of Epidemiology</i> , <b>2004</b> , 160, 59-67	3.8	42
85	Abortion and the risk of breast cancer: a case-control study in Greece. <i>International Journal of Cancer</i> , <b>1995</b> , 61, 181-4	7.5	41
84	Prospective study of body size throughout the life-course and the incidence of endometrial cancer among premenopausal and postmenopausal women. <i>International Journal of Cancer</i> , <b>2015</b> , 137, 625-37	7.5	40
83	Induced and spontaneous abortion and incidence of breast cancer among young women: a prospective cohort study. <i>Archives of Internal Medicine</i> , <b>2007</b> , 167, 814-20		40
82	Longitudinal study of birthweight and the incidence of breast cancer in adulthood. <i>Carcinogenesis</i> , <b>2006</b> , 27, 2464-8	4.6	39
81	The role of nutrition in cancer development and prevention. <i>International Journal of Cancer</i> , <b>2005</b> , 114, 163-5	7.5	39

80	A prospective study of breast size and premenopausal breast cancer incidence. <i>International Journal of Cancer</i> , <b>2006</b> , 118, 2031-4	7.5	38
79	Childhood and adolescent phenol and phthalate exposure and the age of menarche in Latina girls. <i>Environmental Health</i> , <b>2018</b> , 17, 32	6	36
78	An Adolescent and Early Adulthood Dietary Pattern Associated with Inflammation and the Incidence of Breast Cancer. <i>Cancer Research</i> , <b>2017</b> , 77, 1179-1187	10.1	33
77	Adult weight change and incidence of premenopausal breast cancer. <i>International Journal of Cancer</i> , <b>2012</b> , 130, 902-9	7.5	33
76	Parental smoking during pregnancy and the risk of gestational diabetes in the daughter. <i>International Journal of Epidemiology</i> , <b>2016</b> , 45, 160-9	7.8	29
75	Shall we put the world on folate?. <i>Lancet, The</i> , <b>2009</b> , 374, 959-961	4.0	29
74	Prospective study of calcium channel blocker use, cardiovascular disease, and total mortality among hypertensive women: the NursesTHealth Study. <i>Circulation</i> , <b>1998</b> , 97, 1540-8	16.7	29
73	Does Consumption of Fermented Foods Modify the Human Gut Microbiota?. <i>Journal of Nutrition</i> , <b>2020</b> , 150, 1680-1692	4.1	28
72	Fetal exposure to parental smoking and the risk of type 2 diabetes in adult women. <i>Diabetes Care</i> , <b>2014</b> , 37, 2966-73	14.6	26
71	Pyrosequencing Evaluation of Widely Available Bisulfite Conversion Methods: Considerations for Application. <i>Medical Epigenetics</i> , <b>2014</b> , 2, 28-36		25
70	The WomenT Health Initiative Randomized Controlled Dietary Modification Trial: a post-mortem. <i>Breast Cancer Research and Treatment</i> , <b>2009</b> , 114, 1-6	4.4	24
69	Early life predictors of chronic disease. <i>Journal of WomenT Health</i> , <b>2003</b> , 12, 157-61	3	24
68	DNA methylation of candidate genes in peripheral blood from patients with type 2 diabetes or the metabolic syndrome. <i>PLoS ONE</i> , <b>2017</b> , 12, e0180955	3.7	24
67	Height and Body Size in Childhood, Adolescence, and Young Adulthood and Breast Cancer Risk According to Molecular Subtype in the NursesTHealth Studies. <i>Cancer Prevention Research</i> , <b>2016</b> , 9, 732-8 <sup>2</sup>	3.2	24
66	Aberrant methylation of imprinted genes is associated with negative hormone receptor status in invasive breast cancer. <i>International Journal of Cancer</i> , <b>2015</b> , 137, 537-47	7.5	23
65	Dairy intake in relation to breast and pubertal development in Chilean girls. <i>American Journal of Clinical Nutrition</i> , <b>2017</b> , 105, 1166-1175	7	22
64	The promises and challenges of epigenetic epidemiology. <i>Experimental Gerontology</i> , <b>2010</b> , 45, 297-301	4.5	22
63	Association of Birth by Cesarean Delivery With Obesity and Type 2 Diabetes Among Adult Women. <i>JAMA Network Open</i> , <b>2020</b> , 3, e202605	10.4	21

62	Accurate ethnicity prediction from placental DNA methylation data. <i>Epigenetics and Chromatin</i> , <b>2019</b> , 12, 51	5.8	20
61	Ethical principles and placebo-controlled trials - interpretation and implementation of the Declaration of Helsinki's placebo paragraph in medical research. <i>BMC Medical Ethics</i> , <b>2018</b> , 19, 24	2.9	19
60	Locus-specific DNA methylation in the placenta is associated with levels of pro-inflammatory proteins in cord blood and they are both independently affected by maternal smoking during pregnancy. <i>Epigenetics</i> , <b>2017</b> , 12, 875-885	5.7	19
59	Hormone replacement therapy in epidemiologic studies and randomized clinical trials - are we checkmate?. <i>Epidemiology</i> , <b>2003</b> , 14, 3-5	3.1	19
58	Prepubertal and Pubertal Endocrine-Disrupting Chemical Exposure and Breast Density among Chilean Adolescents. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2018</b> , 27, 1491-1499	4	19
57	Milk Consumption after Age 9 Years Does Not Predict Age at Menarche. <i>Journal of Nutrition</i> , <b>2015</b> , 145, 1900-8	4.1	18
56	Differences in DNA Methylation and Functional Expression in Lactase Persistent and Non-persistent Individuals. <i>Scientific Reports</i> , <b>2018</b> , 8, 5649	4.9	16
55	Adolescent dietary patterns and premenopausal breast cancer incidence. <i>Carcinogenesis</i> , <b>2016</b> , 37, 376-846	4.6	16
54	Earlier age at menarche in girls with rapid early life growth: cohort and within sibling analyses. <i>Annals of Epidemiology</i> , <b>2017</b> , 27, 187-193.e2	6.4	15
53	Empirical comparison of reduced representation bisulfite sequencing and Infinium BeadChip reproducibility and coverage of DNA methylation in humans. <i>Npj Genomic Medicine</i> , <b>2017</b> , 2, 13	6.2	15
52	Tobacco and alcohol in relation to male breast cancer: an analysis of the male breast cancer pooling project consortium. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2015</b> , 24, 520-31	4	15
51	Body fatness throughout the life course and the incidence of premenopausal breast cancer. <i>International Journal of Epidemiology</i> , <b>2016</b> , 45, 1103-1112	7.8	14
50	Low-dose levels of bisphenol A inhibit telomerase via ER/GPR30-ERK signalling, impair DNA integrity and reduce cell proliferation in primary PBMC. <i>Scientific Reports</i> , <b>2017</b> , 7, 16631	4.9	14
49	History of breast feeding and risk of incident endometriosis: prospective cohort study. <i>BMJ, The</i> , <b>2017</b> , 358, j3778	5.9	14
48	Oral contraceptive use and colorectal cancer in the NursesHealth Study I and II. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2015</b> , 24, 1214-21	4	13
47	History of Gestational Diabetes Mellitus and Risk of Incident Invasive Breast Cancer among Parous Women in the NursesHealth Study II Prospective Cohort. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2017</b> , 26, 321-327	4	13
46	Determination of nasal and oropharyngeal microbiomes in a multicenter population-based study - findings from Pretest 1 of the German National Cohort. <i>Scientific Reports</i> , <b>2017</b> , 7, 1855	4.9	11
45	Robust prediction of gene regulation in colorectal cancer tissues from DNA methylation profiles. <i>Epigenetics</i> , <b>2018</b> , 13, 386-397	5.7	10

44	Smoking during pregnancy in relation to grandchild birth weight and BMI trajectories. <i>PLoS ONE</i> , <b>2017</b> , 12, e0179368	3.7	9
43	Considerations for Design and Analysis of DNA Methylation Studies. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1708, 31-46	1.4	9
42	Yogurt consumption in relation to mortality from cardiovascular disease, cancer, and all causes: a prospective investigation in 2 cohorts of US women and men. <i>American Journal of Clinical Nutrition</i> , <b>2020</b> , 111, 689-697	7	8
41	Alcohol intake from early adulthood to midlife and mammographic density. <i>Cancer Causes and Control</i> , <b>2016</b> , 27, 493-502	2.8	7
40	The contribution of the environment (especially diet) to breast cancer risk. <i>Breast Cancer Research</i> , <b>2002</b> , 4, 58-61	8.3	7
39	Why do studies show different associations between intrauterine exposure to maternal smoking and age at menarche?. <i>Annals of Epidemiology</i> , <b>2018</b> , 28, 197-203	6.4	6
38	Yogurt consumption and colorectal cancer incidence and mortality in the Nurses' Health Study and the Health Professionals Follow-Up Study. <i>American Journal of Clinical Nutrition</i> , <b>2020</b> , 112, 1566-1575	7	6
37	Early life socioeconomic environment and mammographic breast density. <i>BMC Cancer</i> , <b>2017</b> , 17, 41	4.8	5
36	In utero exposure to endocrine-disrupting chemicals and telomere length at birth. <i>Environmental Research</i> , <b>2020</b> , 182, 109053	7.9	5
35	Maternal Anthropometry and Mammographic Density in Adult Daughters. <i>Pediatrics</i> , <b>2016</b> , 138, S34-S41	7.4	5
34	Dietary antioxidant vitamins, retinol, and breast cancer incidence in a cohort of Swedish women <b>2001</b> , 91, 563		5
33	Maternal and Infant Anthropometric Characteristics and Breast Cancer Incidence in the Daughter. <i>Scientific Reports</i> , <b>2020</b> , 10, 2550	4.9	4
32	A prospective study of oral contraceptive use and colorectal adenomas. <i>Cancer Causes and Control</i> , <b>2016</b> , 27, 749-57	2.8	4
31	Age at Introduction of Solid Food and Obesity Throughout the Life Course. <i>Obesity</i> , <b>2018</b> , 26, 1611-1618		4
30	Early-Life Growth and Benign Breast Disease. <i>American Journal of Epidemiology</i> , <b>2019</b> , 188, 1646-1654	3.8	3
29	Developmental plasticity: Friend or foe?. <i>Evolution, Medicine and Public Health</i> , <b>2017</b> , 2017, 183-184	3	3
28	Diet and cancer: current knowledge, methodologic pitfalls and future directions. <i>International Journal of Cancer</i> , <b>2005</b> , 116, 665-6	7.5	3
27	Association between indicators of systemic inflammation biomarkers during puberty with breast density and onset of menarche. <i>Breast Cancer Research</i> , <b>2020</b> , 22, 104	8.3	3

26	Design and characterization of dietary assessment in the German National Cohort. <i>European Journal of Clinical Nutrition</i> , <b>2019</b> , 73, 1480-1491	5.2	3
25	Do Birth Weight and Weight Gain During Infancy and Early Childhood Explain Variation in Mammographic Density in Women in Midlife? Results From Cohort and Sibling Analyses. <i>American Journal of Epidemiology</i> , <b>2019</b> , 188, 294-304	3.8	3
24	Body size at birth, early-life growth and the timing of the menopausal transition and natural menopause. <i>Reproductive Toxicology</i> , <b>2020</b> , 92, 91-97	3.4	3
23	Inverse association between estrogen receptor- $\beta$ DNA methylation and breast composition in adolescent Chilean girls. <i>Clinical Epigenetics</i> , <b>2018</b> , 10, 122	7.7	3
22	Lifetime and current depression in the German National Cohort (NAKO). <i>World Journal of Biological Psychiatry</i> , <b>2021</b> , 1-31	3.8	3
21	Urinary excretion of sex steroid hormone metabolites after consumption of cow milk: a randomized crossover intervention trial. <i>American Journal of Clinical Nutrition</i> , <b>2019</b> , 109, 402-410	7	2
20	Factors associated with habitual time spent in different physical activity intensities using multiday accelerometry. <i>Scientific Reports</i> , <b>2020</b> , 10, 774	4.9	2
19	Validation of a questionnaire to assess dietary habits among 5-13-year old school children of farmers and anthroposophic families. <i>Journal of Nutritional and Environmental Medicine</i> , <b>2008</b> , 17, 157-168		2
18	Response to Cook et al.. <i>International Journal of Cancer</i> , <b>2008</b> , 122, 958-959	7.5	2
17	Differential gene expression and limited epigenetic dysregulation at the materno-fetal interface in preeclampsia. <i>Human Molecular Genetics</i> , <b>2020</b> , 29, 335-350	5.6	2
16	Characterizing the Effects of Calcium and Prebiotic Fiber on Human Gut Microbiota Composition and Function Using a Randomized Crossover Design-A Feasibility Study. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	2
15	Physical Activity and Risk of Male Breast Cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2015</b> , 24, 1898-901	4	1
14	Effect of excessive gestational weight on daughters' breast density at the end of puberty onset. <i>Scientific Reports</i> , <b>2020</b> , 10, 6636	4.9	1
13	Multiplexed Reduced Representation Bisulfite Sequencing with Magnetic Bead Fragment Size Selection. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1708, 137-159	1.4	1
12	Grand-maternal lifestyle during pregnancy and body mass index in adolescence and young adulthood: an intergenerational cohort study. <i>Scientific Reports</i> , <b>2020</b> , 10, 14432	4.9	1
11	The consequence of financial incentives for not prescribing antibiotics: a Japanese nationwide quasi-experiment.. <i>International Journal of Epidemiology</i> , <b>2022</b> ,	7.8	1
10	Reply to AT Wijayabahu. <i>American Journal of Clinical Nutrition</i> , <b>2017</b> , 106, 707	7	0
9	Benign breast disease and changes in mammographic breast density. <i>Breast Cancer Research</i> , <b>2021</b> , 23, 49	8.3	0



8	Change in clinical practice variations for antibiotic prescriptions across different pediatric clinics: A Japan-wide nationwide observational study. <i>Journal of Infection and Chemotherapy</i> , <b>2021</b> , 27, 1621-1625	2.2	○
7	Effects of Fermented Vegetable Consumption on Human Gut Microbiome Diversity: A Pilot Study. <i>Fermentation</i> , <b>2022</b> , 8, 118	4.7	○
6	The Association Between Breast Density and Gut Microbiota Composition at 2 Years Post-Menarche: A Cross-Sectional Study of Adolescents in Santiago, Chile.. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2021</b> , 11, 794610	5.9	○
5	Commentary: Marking the epigenome--in search of the fingerprints of intrauterine nutritional deficiencies. <i>International Journal of Epidemiology</i> , <b>2012</b> , 41, 123-5	7.8	
4	Sugar-sweetened beverage consumption and breast composition in a longitudinal study of Chilean girls.. <i>Breast Cancer Research</i> , <b>2022</b> , 24, 3	8.3	
3	TV viewing during childhood and adult type 2 diabetes mellitus. <i>Scientific Reports</i> , <b>2021</b> , 11, 5157	4.9	
2	Assessing mediating effects of high-dimensional microbiome measurements in dietary intervention studies. <i>Biometrical Journal</i> , <b>2021</b> , 63, 1366-1374	1.5	
1	Considerations in the Design, Conduct, and Interpretation of Studies in Epigenetic Epidemiology <b>2022</b> , 27-44		